

Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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<i>Complete if Known</i>	
Application Number	09/933,972
Filing Date	2001-08-20
First Named Inventor	Hawkes, Philip et al.
Art Unit	2439
Examiner Name	SIMITOSKI, MICHAEL J

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Attorney Docket No: 010497

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(if known)</sup>			
	001	US4163255	07-31-1979	Pires; H. George et al.	
	002	US4750167	06-07-1988	Meyer; Charles S. et al.	
	003	US4870408	09-26-1989	Zdunek; Kenneth J. et al.	
	004	US4881263	11-14-1989	Herbison; B. J. et al.	
	005	US4901307	02-13-1990	Gilhousen et al.	
	006	US4924513	05-08-1990	Herbison; B. J. et al.	
	007	US5103459	04-07-1992	Gilhousen et al.	
	008	US5117457	05-26-1992	Comerford; Liam D. et al.	
	009	US5136586	08-04-1992	Greenblatt; Richard D. et al.	
	010	US5159447	10-27-1992	Haskell; Barin G. et al.	
	011	US5253294	10-12-1993	Maurer; Robert E. et al.	
	012	US5257396	10-26-1993	Auld, Jr et al.	
	013	US5325357	06-28-1994	Kimoto; Atsushi et al.	
	014	US5351087	09-27-1994	Christopher; Todd J. et al.	
	015	US5363379	11-08-1994	Eckenrode; Thomas et al.	
	016	US5369784	11-29-1994	Nelson et al.	
	017	US5371794	12-06-1994	Diffie; Whitfield et al.	
	018	US5412655	05-02-1995	Yamada; Kenji et al.	
	019	US5421006	05-30-1995	Jablon; David P. et al.	
	020	US5481613	01-02-1996	Ford; Warwick S. et al.	
	021	US5504773	04-02-1996	Padovani et al.	

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	022	US5513245	04-30-1996	Mizikovsky; Semyon et al.	
	023	US5515441	05-07-1996	Faucher et al.	
	024	US5686963	11-11-1997	Uz; K. Metin et al.	
	025	US5708961	01-13-1998	Hylton; Denny L. et al.	
	026	US5751707	05-12-1998	Voit; Eric A. et al.	
	027	US5751725	05-12-1998	Chen et al.	
	028	US5758291	05-26-1998	Grube et al.	
	029	US5774496	06-30-1998	Butler et al.	
	030	US5778187	07-07-1998	Monteiro; Antonio M. et al.	
	031	US5850444	12-15-1998	Rune et al.	
	032	US5850445	12-15-1998	Chan; Yick Man et al.	
	033	US5878141	03-02-1999	Daly; Michael T. et al.	
	034	US5909491	06-01-1999	Luo; Tie et al.	
	035	US5940507	08-17-1999	Cane; David et al.	
	036	US5946316	08-31-1999	Chen; Xiaoqiang et al.	
	037	US5956404	09-21-1999	Schneier; Bruce et al.	
	038	US5970072	10-19-1999	Gammenthaler, Jr.; Robert Scott et al.	
	039	US5991407	11-23-1999	Murto; Juhani et al.	
	040	US6021124	02-01-2000	Haartsen; Jacobus C. et al.	
	041	US6026165	02-15-2000	Marino; Francis C. et al.	
	042	US6044154	03-28-2000	Kelly; Tadhg et al.	

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	043	US6047395	04-04-2000	Zook; Christopher P. et al.	
	044	US6052812	04-18-2000	Chen; Zongbo et al.	
	045	US6055236	04-25-2000	Nessett; Danny M. et al.	
	046	US6055314	04-25-2000	Spies et al.	
	047	US6097817	08-01-2000	Bilgic et al.	
	048	US6108424	08-22-2000	Pitiot; Yann et al.	
	049	US6128389	10-03-2000	Chan; Yick Man et al.	
	050	US6148010	11-14-2000	Sutton et al.	
	051	US6185430	02-06-2001	Yee; David Moon et al.	
	052	US6199161	03-06-2001	Ahvenainen; Jouko et al.	
	053	US6233234	05-15-2001	Curry; James E. et al.	
	054	US6240091	05-29-2001	Ginzboorg; Philip et al.	
	055	US6253069	06-26-2001	Mankovitz; Roy J. et al.	
	056	US6253326	06-26-2001	Lincke; Scott D. et al.	
	057	US6266420	07-24-2001	Langford; Glenn C. et al.	
	058	US6363480	03-26-2002	Perlman et al.	
	059	US6373829	04-16-2002	Vilmur; Richard Joseph et al.	
	060	US6385200	05-07-2002	Erami; Akihisa et al.	
	061	US6385461	05-07-2002	Raith; Alex Krister et al.	
	062	US6424717	07-23-2002	Pinder et al.	
	063	US6424947	07-23-2002	Tsuria; Yossef et al.	

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	064	US6449491	09-10-2002	Dailey; Timothy E. et al.	
	065	US6463155	10-08-2002	Akiyama; Koichiro et al.	
	066	US6477377	11-05-2002	Backstrom; Olof Tomas et al.	
	067	US6490259	12-03-2002	Agrawal; Prathima et al.	
	068	US6538996	03-25-2003	West; Julian Wray et al.	
	069	US6560206	05-06-2003	Naden; James M et al.	
	070	US6564211	05-13-2003	Andreev; Alexander E. et al.	
	071	US6574211	06-03-2003	Padovani et al.	
	072	US6598203	07-22-2003	Tang; Benjamin et al.	
	073	US6600745	07-29-2003	Chopping; Geoffrey et al.	
	074	US6601068	07-29-2003	Park et al.	
	075	US6603857	08-05-2003	Batten-Carew; Mark Christopher et al.	
	076	US6606706	08-12-2003	Li; Yunzhou et al.	
	077	US6633979	10-14-2003	Smeets; Bernhard Jan Marie et al.	
	078	US6647000	11-11-2003	Persson; Bengt et al.	
	079	US6680920	01-20-2004	Wan; Yongbing et al.	
	080	US6704368	03-09-2004	Nefedov; Nikolai et al.	
	081	US6704369	03-09-2004	Kawasaki; Naoto et al.	
	082	US6725459	04-20-2004	Bacon; Kinney C. et al.	

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	083	US6735177	05-11-2004	Suzuki; Mitsutaka et al.	
	084	US6751218	06-15-2004	Hagirahim; Hassan et al.	
	085	US6760752	07-06-2004	Liu; Gary G. et al.	
	086	US6763025	07-13-2004	Leatherbury; Ryan M. et al.	
	087	US6766024	07-20-2004	Rix et al.	
	088	US6781999	08-24-2004	Eyuboglu; M. Vedat et al.	
	089	US6788681	09-07-2004	Hurren; Alan J. et al.	
	090	US6798791	09-28-2004	Riazi; Habib et al.	
	091	US6801508	10-05-2004	Lim; Byung Keun et al.	
	092	US6870923	03-22-2005	Yi et al.	
	093	US6879573	04-12-2005	Huo; David D. et al.	
	094	US6879690	04-12-2005	Faccin; Stefano et al.	
	095	US6882850	04-19-2005	McConnell et al.	
	096	US6885874	04-26-2005	Grube; Gary W. et al.	
	097	US6895216	05-17-2005	Sato; Hijin et al.	
	098	US6898285	05-24-2005	Hutchings et al.	
	099	US6915272	07-05-2005	Zilliacus; Martin et al.	
	100	US6918035	07-12-2005	Patel; Sarvar et al.	
	101	US6925285	08-02-2005	Kim; Jae-Geun et al.	
	102	US6990680	01-24-2006	Wugofski; Theodore D. et al.	
	103	US7016351	03-21-2006	Farinacci; Dino et al.	

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	104	US7036023	04-25-2006	Fries; Robert M. et al.	
	105	US7039180	05-02-2006	Issaa; Michael A. et al.	
	106	US7046672	05-16-2006	Liao; HongBin et al.	
	107	US7058809	06-06-2006	White; Mark Andrew George et al.	
	108	US7072865	07-04-2006	Akiyama; Koichiro et al.	
	109	US7079502	07-18-2006	Yamano; Shigeki et al.	
	110	US7114175	09-26-2006	Lahteenmaki; Markku et al.	
	111	US7134019	11-07-2006	Shelest; Art et al.	
	112	US7197072	03-27-2007	Hsu; Kuo-Wei et al.	
	113	US7200230	04-03-2007	Knauft; Christopher L. et al.	
	114	US7209459	04-24-2007	Kangas; Antti et al.	
	115	US7215775	05-08-2007	Noguchi; Tetsuya et al.	
	116	US7239704	07-03-2007	Maillard et al.	
	117	US7266687	09-04-2007	Sowa; Hans Christopher et al.	
	118	US7278164	10-02-2007	Raiz; Leonid et al.	
	119	US7280660	10-09-2007	Salo; Juha et al.	
	120	US7290063	10-30-2007	Kalliokulju; Juha et al.	
	121	US7352868	04-01-2008	Hawkes et al.	
	122	US7376963	05-20-2008	Kato; Taku et al.	
	123	USRE33189	03-27-1990	Lee et al.	

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	124	US20050008159	01-13-2005	Grilli, Francesco; et al.	
	125	US20010004761	06-21-2001	Zehavi, Ephraim; et al.	
	126	US20020080887	06-27-2002	Jeong, Young-Ho et al.	
	127	US20020091931	07-11-2002	Quick, Roy Franklin JR et al.	
	128	US20020152384	10-17-2002	Shelest, Art et al.	
	129	US20020154781	10-24-2002	Sowa, Hans Christopher et al.	
	130	US20020169724	11-14-2002	Moroney, Paul; et al.	
	131	US20020176408	11-28-2002	Kangas, Antti; et al.	
	132	US20030035389	02-20-2003	Chen, Tao et al.	
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	134	US20030039361	02-27-2003	Hawkes, Philip Michael et al.	
	135	US20030054807	03-20-2003	Hsu, Liangchi; et al.	
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	137	US20030070092	04-10-2003	Hawkes, Philip et al.	
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	139	US20030101401	05-29-2003	Salvi, Rohan S et al.	
	140	US20040005860	01-08-2004	Kato, Taku; et al.	
	141	US20040019787	01-29-2004	Shibata, Norimasa et al.	
	142	US20040022216	02-05-2004	Shi, Guangming Carl; et al.	
	143	US20040095515	05-20-2004	Tajima, Teruo; et al.	

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Substitute for form 1449/PTO				<i>Complete if Known</i>	
				<b>Application Number</b>	09/933,972
				<b>Filing Date</b>	2001-08-20
				<b>First Named Inventor</b>	Hawkes, Philip et al.
				<b>Art Unit</b>	2439
				<b>Examiner Name</b>	SIMITOSKI, MICHAEL J
<b>Sheet</b>	<b>8</b>	<b>of</b>	<b>15</b>	<b>Attorney Docket No:</b> 010497	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2(if known)</sup>			
	144	US20040101138	05-27-2004	Revital, Dan et al.	
	145	US20040120527	06-24-2004	Hawkes, Philip Michael et al.	
	146	US20040131185	07-08-2004	Kakumer, Anil K.; et al.	
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	148	US20040202329	10-14-2004	Jung, Jung-Soo; et al.	
	149	US20040266391	12-30-2004	Hafren, Jonas; et al.	
	150	US20050048963	03-03-2005	Kubler, Joseph J.; et al.	
	151	US20050055551	03-10-2005	Becker, Claudia; et al.	
	152	US20050108563	05-19-2005	Becker, Claudia; et al.	
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	154	US20050271210	12-08-2005	Soppera, Andrea; et al.	
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	157	US20060242412	10-26-2006	Jung; Bae-eun; et al.	

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		Country Code <sup>3</sup> -Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	158	EP0636963A2	02-01-1995	IBM [US] et al.		<input type="checkbox"/>
	159	EP0702477A2	03-20-1996	SUN MICROSYSTEMS INC [US] et al.		<input type="checkbox"/>
	160	EP0748058A2	12-11-1996	AT & T CORP [US] et al.		<input type="checkbox"/>
	161	EP0813309A2	12-17-1997	Lucent Technologies Inc [US] et al.		<input type="checkbox"/>
	162	EP0854618A2	07-22-1998	Lucent Technologies Inc [US] et al.		<input type="checkbox"/>
	163	EP0924898A1	06-23-1999	INST NAT RECH INF AUTOMAT [FR] et al.		<input type="checkbox"/>
	164	EP0928084A2	07-07-1999	MITSUBISHI ELECTRIC CORP [JP] et al.		<input type="checkbox"/>
	165	EP0951198A2	10-20-1999	NEC CORP [JP] et al.		<input type="checkbox"/>
	166	EP1001570A2	05-17-2000	Lucent Technologies Inc [US] et al.		<input type="checkbox"/>
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	169	EP1098446A2	05-09-2001	MITSUBISHI ELECTRIC CORP [JP] et al.		<input type="checkbox"/>
	170	EP1117204A2	07-18-2001	HEWLETT PACKARD CO [US] et al.		<input type="checkbox"/>
	171	EP1135125A1	03-06-2002	NTT DOCOMO INC [JP] et al.		<input type="checkbox"/>
	172	EP1190526A1	3-27-2002	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	173	GB2346512A	08-09-2000	NEC CORP [JP] et al.		<input type="checkbox"/>

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Attorney Docket No: 010497

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	174	JP10063598A	03-06-1998	NIPPON TELEGRAPH & TELEPHONE et al.		<input type="checkbox"/>
	175	JP10200536A	07-31-1998	TOSHIBA CORP et al.		<input type="checkbox"/>
	176	JP11313059A	11-09-1999	NIPPON TELEGRAPH & TELEPHONE et al.		<input type="checkbox"/>
	177	JP11355460A	12-24-1999	MEIDENSHA ELECTRIC MFG CO LTD et al.		<input type="checkbox"/>
	178	JP2000165258A	06-16-2000	YRP IDO TSUSHIN KIBAN GIJUTSU; TOSHIBA CORP et al.		<input type="checkbox"/>
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	184	RU2115249C1	07-10-1998	MOTOROLA INC [US] et al.		<input type="checkbox"/>
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	187	WO0008883A1	02-17-2000	ERICSSON INC [US] et al.		<input type="checkbox"/>
	188	WO0013356A1	03-09-2000	MOTOROLA INC [US] et al.		<input type="checkbox"/>
	189	WO0057601A1	09-28-2000	NOKIA NETWORKS OY [FI] et al.		<input type="checkbox"/>

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	190	WO0062547A1	10-19-2000	OPEN TV INC [US] et al.		<input type="checkbox"/>
	191	WO0076125A1	12-14-2000	NORTEL NETWORKS LTD [CA] et al.		<input type="checkbox"/>
	192	WO0078008A1	12-21-2000	SSH COMM SECURITY LTD [FI] et al.		<input type="checkbox"/>
	193	WO0101630A1	01-01-2001	ERICSSON TELEFON AB L M [SE] et al.		<input type="checkbox"/>
	194	WO02054663A2	07-11-2002	QUALCOMM INC [US] et al.		<input type="checkbox"/>
	195	WO0247407A2	06-13-2002	QUALCOMM INC [US] et al.		<input type="checkbox"/>
	196	WO8607224A1	12-04-1988	SCIENTIFIC ATLANTA [US] et al.		<input type="checkbox"/>
	197	WO9715161A1	04-24-1997	NOKIA TELECOMMUNICATIONS OY [FI] et al.		<input type="checkbox"/>
	198	WO9825422A1	06-11-1998	NOKIA TELECOMMUNICATIONS OY [FI] et al.		<input type="checkbox"/>
	199	WO9959355A2	11-18-1999	NOKIA NETWORKS OY [FI] et al.		<input type="checkbox"/>
	200	WO03063418A1	07-31-2003	QUALCOMM INC [US]		<input type="checkbox"/>
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	201	"Functional Model of a Conditional Access System", EBU Review - Technical European Broadcasting Union, Bussels, BE, No.266; Dec 21, 1995, pgs 64-77; XP000559450.	
	202	"TIA/EIA/IS-95-B Mobile Station-Base Station Compatibility Standard For Dual-Mode Wideband Spread Spectrum Cellular System." (IS-95 STANDARD).	
	203	010497 International Search Report PCT/US02/009835, ISA, EPO, 7/8/02.	
	204	3G TS 25.213 V4.1.0 (2001-06) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Spreading and Modulation (FDD)(Release 4).	
	205	3GPP TS 25.211 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Channels and Mapping of Transport Channels Onto Physical Channels (FDD)(Release 4).	
	206	3GPP TS 25.212 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Multiplexing and Channel Coding (FDD)(Release 4).	
	207	3GPP TS 25.214 V4.2.0 (2001-09) 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Physical Layer Procedures (FDD)(Release 4).	
	208	3GPP2 C.S0002-0 Version 1.0 (1999-07) 3rd Generation Partnership Project 2 "3GPP2" Physical Layer Standard for cdma2000 Spread Spectrum Systems.	
	209	AL-TAWIL, "A New Authentication Protocol for Roaming Users in GSM", Proceedings for IEEE International Symposium on Computers and Communication, 6 July 1999, pp 93-99.	
	210	B.G. MARCHENT, et al. "Intelligent Control of Mobile Multimedia Systems" Vehicular Technology Conference 1998. VTC 98, 48th IEEE Ottawa, Canada, May 18-21 1998; New York, USA, May 18, 1998, pages 2047-2051.	
	211	BACCELLI, F. et al.: "Self Organizing Hierarchical Multicast Trees And Their Optimization," INFOCOM 1999. IEEE, 1081-1089 (21 MARCH 1999).	
	212	BORMANN, et al., "Robust Header Compression (ROHC), Internet Engineering Task Force IETF Draft, 1-145, Feb. 26, 2001.	
	213	BROWN: "The Electronic Post It Note Model for Mobile Computing Applications," Computing Lab, The University, Canterbury, Kent, The Institution of Electrical Engineers, IEEE, Savoy Place, London, WC2R OBL, UK.	
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	215	ETSI: "Universal Mobile Telecommunications Systems (UMTS); Multimedia Broadcast/Multicast Service (MBMS); Stage 1, 3GPP TS 22.146 version 5.2.0 Release 5", ETSI TS 22.146 v5.2.0, pages 1-15, 03/2002.	
	216	GONG, L et al: "Trade-Offs In Routing Private Multicast Traffic," Global Telecommunications Conference, 1995. IEEE, 2124-2128 (13 NOV 1995).	
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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

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Complete if Known	
Application Number	09/933,972
Filing Date	2001-08-20
First Named Inventor	Hawkes, Philip et al.
Art Unit	2439
Examiner Name	SIMITOSKI, MICHAEL J

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Attorney Docket No: 010497

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	220	SCHNEIER, B.: "Applied Cryptography, Conference Key Distribution and Secret Broadcasting" Second Edition, pp. 520, 523-524, John Wiley & Sons, Inc. XP002248268 (1996).	
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